

CLIMATOLOGICAL DATA FOR MARCH, 1912.

DISTRICT No. 9, COLORADO VALLEY.

FREDERICK H. BRÄNDENBURG, District Editor.

GENERAL SUMMARY.

March in the Colorado Basin was cold and stormy. The precipitation was much greater than the normal and lacked only 9 per cent of the combined amounts for the months of November, December, January, and February, immediately preceding. The excess was most pronounced on the southern watersheds, the fall on the Little Colorado, Gila, and Colorado proper having been more than double the total precipitation for the months named. The conditions were so much out of the ordinary as to deserve a somewhat detailed description of the causes that brought about such abnormalities of weather.

Whether it was the lack of energy on the part of the low pressure areas that were central in some part of the district and reenforced from time to time from the Pacific during the first nine days of the month or the presence of wintry conditions on the eastern slope of the Continental Divide in the form of a succession from the north of strong anticyclonic conditions that prevented the passage of these storms eastward, the fact remains that during this period the storms gave to the Colorado Basin a period of remarkably wet weather. The depression that appeared in southern California in the afternoon of the 9th was deeper than those that preceded and gave evidence of a stronger eastward movement. By the morning of the 11th the main part of the depression had crossed the Continental Divide in southern Colorado, this being the first time during the month that more than a portion of a depression had successfully reached the eastern slope in the United States without passing through Mexico. The storm of the 10th and 11th was remarkable with respect to the area in which precipitation occurred; at a number of stations in Arizona, New Mexico, and Utah the heaviest fall of the month occurred. This storm had scarcely passed eastward of the Continental Divide before another depression appeared off the coast of California. By the afternoon of the 12th the center had reached Nevada, and 12 hours later it was in eastern Utah, with its front spreading southeastward, only to be divided on the 14th by a high pressure area that moved southward along the eastern slope of the Continental Divide. In this instance that part of the depression left in the Southwest did not endure long, owing to advancing high pressure from California, which gave the district several days of relatively fair weather, the only ones in the month. On the 19th, conditions rapidly became unsettled under the influence of a depression that formed in Utah and Nevada. This depression, like those of the first decade, remained west of the Continental Divide for days, its progress eastward being blocked by high pressure on the eastern slope. Coincident with the filling up of this depression during the night of the 23d, another depression was in progress of development in Nevada, but precipitation did not become

general until several days later. This storm moved southeastward, reaching central Texas during the afternoon of the 27th. The respite was short, for during the night of the 28th a depression formed in the northern part of the district, with loops extending to southeastern Nevada. The changes in pressure were rapid, and within 24 hours the pressure distribution was again similar to that which prevailed at the beginning of the month, an anticyclonic area from the north moving southeastward blocking for a time the progress of the low across the mountains. In Arizona, Utah, and Colorado the attending precipitation was not so heavy as earlier in the month, but it covered a large area.

TEMPERATURE.

The mean of the 141 stations reporting was 41.5, or 2.6° below the normal. The mean for March, 1911, was 48.3°. The highest monthly mean was 65.0° at Aztec, Ariz., and the lowest, 13.5, at Corona, Colo. The first seven days of the month were warmer than the normal in the southern part of the district, but in the central and northern parts temperatures above the normal continued throughout the first decade. The remainder of the month was colder than the normal except near the end of the second decade. In western Wyoming the highest temperatures occurred near the end of the month, but elsewhere generally on the 18th and 19th, although at a number of stations in Colorado the highest temperatures were reached on the 10th, and in Arizona on the 3d and 5th. The lowest temperatures occurred principally during the first half of the month. Temperatures of zero or lower were observed in the Wyoming area and at several stations in Colorado, Utah, and Arizona.

Details of temperature are summarized in the following table:

Areas of States in district No. 9.	Temperature.					
	Mean.	Departure from normal.	Highest.	Station.	Lowest.	Station.
Western Wyoming...	21.2	-6.4	54	Green River...	-22	Daniel.
Western Colorado.....	31.5	-2.0	66	Fruita.....	-22	Pinedale.
Eastern Utah.....	37.3	-2.0	75	Hanksville....	-12	Strawberry Tunnel, East End.
Western New Mexico...	43.3	-1.1	80	Deming.....	2	Bergers Ranch.
Arizona.....	51.2	-3.3	87	Casa Grande... Sentinel.....	-7	Flagstaff No. 2.
Southeastern Nevada...	47.2	.....	75	Logan.....	20	Caliente.

PRECIPITATION.

The average for the 199 stations reporting was 2.91 inches, or 1.75 inches greater than the normal. The average for March, 1911, was 1.22 inches. An excess occurred

on all drainage areas; in Arizona marked excesses occurred, and in parts of Colorado the month was the wettest March of record. The amount of precipitation exceeded that of last October, the month of disastrous floods. There was this difference, however: In October most of the fall occurred in two days in the form of rain, while the precipitation in March was principally in the form of snow that fell almost daily over the greater part of the district. In Colorado there was no day without precipitation; in Utah and Arizona, only two days without; and in New Mexico, only three days without precipitation in some part of the area. The greatest monthly amount was 11.64 inches at Uncompahgre Plateau, Colo., and the least, 0.07 inch, at Hermans, N. Mex. Monthly snowfalls of 30 inches or more occurred at one station in Wyoming, 27 in Colorado, 4 in eastern Utah, and 2 in Arizona. The maximum fall, 102 inches, occurred at Uncompahgre station, Montrose County, Colo.

The average precipitation and departures from the normal on the different watersheds are given in the following table:

Watersheds.													
Green.		Grand		San Juan.		Little Colorado.		Gila.		Mimbres.		Colorado proper.	
Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.	Average.	Departure.
1.82	+0.54	4.00	+2.31	3.76	+1.10	2.15	+1.40	3.18	+2.26	2.02	+0.88	2.83	+0.89

The average number of days with 0.01 inch or more precipitation was 7 in western Wyoming; 15 in western Colorado; 11 in eastern Utah; 7 in western New Mexico; 7 in Arizona; and 10 in southeastern Nevada. For the district as a whole the average was 10 days.

MISCELLANEOUS.

The amount of sunshine was considerably below the normal. At Grand Junction it was 50 per cent of the possible; Durango, 58; Phoenix, 73; and Yuma, 80.

The relative humidity was materially higher than the average. The following are the values: Grand Junction, 67; Durango, 67; Phoenix, 56; and Yuma, 49 per cent.

SNOWFALL IN THE MOUNTAINS.

Western Wyoming.—The snowfall was above the normal and was reported well packed. The amount of snow at the headwaters of the western tributaries of the Green is said to be the heaviest in years.

Western Colorado.—On the drainage of the Yampa and White the snowfall was close to the average; on the other

watersheds, except in Summit County, in the upper reaches of the Grand, the snowfall was unusually heavy. Large drifts are common, and numerous destructive snow-slides occurred in the southwestern counties. In general the snow contains a large percentage of moisture, and while fairly well packed, there is a general absence of layers of crust, and melting will be rapid. At the end of March the average depth on the Grand watershed, average altitude 8,700 feet 43 inches, was 17 inches greater; for the Gunnison, 8,800 feet 36 inches, or 7 inches greater; for the Yampa and White, 7,900 feet, 40 inches, or 21 inches greater; and for the San Juan and Dolores, 7,900 feet 18 inches, or 2 inches greater than at the corresponding date last year.

Eastern Utah.—There was a material increase in the amount of moisture stored in the mountains. The ground is well saturated and, the prospects for irrigation water is much improved.

Western New Mexico.—The San Juan Valley and northwestern part of the State had a wet, showery month over the lower country and a good snowfall in the higher mountains. Much soil moisture has resulted, improving the outlook for early water, although there will still be a great scarcity unless good rains continue.

Arizona.—The snowfall in the mountain districts of the north and north-central portions of the State was unusually heavy.

TEMPERATURES INJURIOUS TO PEACHES, APPLES, AND PEARS IN VARIOUS STAGES OF DEVELOPMENT.

A committee appointed by the Fruit Growers Association of the Grand Valley, Colorado, to advise growers in reference to smudging and to render them all possible assistance in the matter of supplying volunteer help, etc., made an investigation of temperatures injurious to peaches, apples, and pears in various stages of development, and report as follows:

Table showing at what temperature smudging is necessary in the various stages of development of peach buds.

	*F.
Peaches one-fourth inch in diameter.....	30
Dropping the shuck.....	31
Setting.....	31
Full bloom.....	29 to 30
Buds in pink.....	22
Buds swelling.....	15
Buds dormant.....	-15

Table showing at what temperature smudging is necessary in the various stages of development of apple and pear buds.

	*F.
Calyx closed.....	30
Flower gone, calyx closing.....	30
Petals dropping.....	31
Fruit forming.....	30
Full bloom.....	30
Buds in the pink.....	25
Buds separating.....	20
Buds swelling.....	15

TABLE 1.—*Climatological data for March, 1912. District No. 9, Colorado Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Departure from the normal.	Total snowfall (unmeted).	Number of rainy days.	Number of partly cloudy days.	Number of clear days.				
<i>Wyoming.</i>																					
Battle Mountain.	Carbon.	7,300	13	16.4	- 6.4	42	28	- 22	4	50	3.60	+ 2.17	0.60	36.0	10	10	12	9	n.w.	U. S. Forest Service.	
Daniel.	Uinta.	6,740	13	23.4	- 47a	29	- 10*	21	42*	0.36			0.10a	3.6*	5*	14a	5*	11a	w.*	J. M. Van Dervort.	
Eden.	Sweetwater.	6,577	3	27.0	- 54	27†	- 5	22	40	1.75			0.60	17.5	5	14	11	6	w.	Eden Valley L. & I. Co.	
Green River.	Pinedale.	6,083	7	18.2	- 45a	29	- 22a	21	47a	0.90			0.18a	12.5*	8*	19a	6a	5a	w.*	Geo. H. Maxom.	
Rambler.	Carbon.	9,232	6																Do.	U. S. Forest Service.	
Willow Creek Cabin.	Fremont.	7,500	3																Do.	Do.	
<i>Colorado.</i>																					
Ashcroft.	Pitkin.	9,483	10	23.4	- 2.3	43	10	- 6	15	45	4.32	+ 2.12	1.00	65.0	21				sw.	Dan McArthur.	
Breckenridge.	Summit.	9,536	23	21.4	- 2.1	45	10	- 11	24	50	1.57	- 1.24	0.38	23.6	9	3	11	17	n.w.	Mrs. J. G. Thompson.	
Buford.	Rio Blanca.		1																w.	Mrs. H. Genier.	
Cascade.	San Juan.	8,900	5																sw.	San Juan W. & P. Co.	
Cedaredge.	Delta.	6,175	14	37.6	- 1.1	59	18	18	14	32	4.85	+ 3.54	2.00	22.3	12	7	10	14	sw.	Harry A. Cobbett.	
Chrome.	Archuleta.	7,500	6	32.4		54a	19	4*	12†	40*	4.36		1.00	16.5	16	10b	11b		sw.	Lawrence Nolan.	
Cochetopa.	Saguache.	9,088	3																sw.	Miss Bessie McDonough.	
Colbran.	Mesa.	6,000	19	35.2	- 3.4	54	18†	11	17	32	3.89	+ 2.19	1.26	27.5	21	7	12	12	sw.	A. A. Wood.	
Columbine.	Routt.	8,766	2																sw.	Mrs. M. A. Caron.	
Columbine Ranch.	Delta.	6,925	2																sw.	Geo. W. Wade.	
Corona.	Grand.	11,660	5	13.5		30	10	- 4	14†	22	7.90		1.12	72.5	15				w.	U. S. Weather Bureau.	
Craig.	Moffat.		2	27.1h	- 40h	19†	- 1†	22	43†	1.67			0.98	14.0	6					sw.	Joseph F. Haubrich.
Crawford (near).	Gunnison.	6,600	2	32.6		50	18	13	15†	28	2.63		0.53	33.5	19	8	9	14		C. W. Roe.	
Crested Butte.	Mesa.	8,867	2	23.6		45	10†	- 9	15	42	8.00		1.10	62.5	19	10	3	18		Charles L. Ross.	
De Beque.	Mesa.	4,935	4	40.4		61h	18	21†	17†	36†	3.91		1.15	0.5	16	6.5	14	11	11	w.	H. M. Quigley.
Delta.	Delta.	4,965	22	41.2	- 0.5	63	18	21	39	43	3.39	+ 2.79	1.10	6.5	14	11	9	11	n.	E. M. Getts.	
Dillon.	Summit.	8,800	2	18.5		45	5	- 20	24	60	3.56		1.80	31.5	9	9	10	12	n.	Harry T. Hamilton.	
Durango.	La Plata.	6,534	17	36.5	- 1.0	50	18	12	15	33	4.51	+ 3.05	1.38	17.2	19	4	15	12	n.w.	U. S. Weather Bureau.	
Eureka.	San Juan.	10,000	5																s.	San Juan W. & P. Co.	
Fraser.	Grand.	8,560	3	18.3		48	10	- 22	1	61	3.20		0.90	32.0	14	3	9	19	n.	L. D. C. Gaskill.	
Fruitland.	Mesa.	4,510	13	41.6	- 1.4	66	18	22	24	43	2.31	+ 2.34	0.41	2.5	15	6	14	11	n.w.	J. B. Willsea.	
Glade Park.	do.	7,000	1																sw.	A. F. Terrill.	
Gladstone.	San Juan.	10,400	5																sw.	San Juan W. & P. Co.	
Glenwood Springs (near).	Garfield.	5,823	14	34.9	- 4.6	58	30	9	17	37	4.13	+ 3.04	1.20	12.0	15	7	3	21		E. A. O'Neill.	
Grand Junction.	Mesa.	6,608	21	42.0	- 1.5	65	18	25	21	37	2.36	+ 1.65	0.55	3.4	17	8	8	15	se.	U. S. Weather Bureau.	
Grandlake.	Grand.	8,153	4																w.	Mrs. Belle Kauffman.	
Grand Valley.	Garfield.	5,089	20	38.6	- 1.4	61	18	18	21	38	4.20	+ 2.93	1.18	0.4	19	5	9	17		David Evans.	
Gunnison.	Gunnison.	7,670	19	29.6	+ 2.5	52	30	1	15	35	0.94	+ 0.29	0.14	9.5	12	9	22	0	sw.	Clarence Adams.	
Hesperus (near).	La Plata.	7,610	9																	G. F. Snyder.	
Horsefly.	Montrose.	8,700	2																	Lawrence F. Finch.	
Iron Mountain.	Ouray.	10,000	2																	P. H. Foley.	
Lodore.	Moffat.		2																	Mrs. Geo. C. Bassett.	
Lake City.	Hinsdale.	8,686	7	28.1		50	18	- 3	15	43	1.51		0.81	12.5	4	14	13	4	w.	J. F. Maurer.	
Lay.	Moffat.	6,190	18	28.7	- 3.1	51	19†	1	21	42	1.58	+ 0.10	0.30	19.0	10	7	8	16	n.	A. G. Wallihan.	
Mancos.	Montezuma.	6,960	13	35.6	- 2.7	55	18†	10	15	38	4.05	+ 1.93	0.54	33.1	21	6	15	10	sw.	B. M. Krumpanitzky.	
Marble.	Gunnison.	7,951	3	31.0		53	10	- 3	15	41	8.08		2.20	81.7	23	13	3	15	ne.	F. E. Morse.	
Marshall Pass.	Saguache.	10,840	9																	Wm. L. Williams.	
Meeker (near).	Rio Blanco.	6,182	20	31.7	- 3.0	58	30	2	2	48	1.79	+ 0.22	0.41	14.0	13	3	17	11	sw.	T. Baker.	
Montrose.	Montrose.	5,811	23	39.8	- 0.3	62	19	20	15†	35	2.46	+ 1.72	0.00	15.0	15	11	13	7		U. S. Reclamation Service.	
Nast.	Pitkin.	7,953	2	25.2		50	10	- 5	24	45	2.14		0.47	37.2	13	9	14	8	w.	Arthur Hanthorn.	
Pagoda.	Routt.	6,500	21	26.6	- 5.6	58a	29	4*	4	44a	0.60		- 1.84	0.32	13.0	5	21a	0a	sw.	Mrs. J. W. Scott.	
Pagosa Springs.	Archuleta.	7,108	5	31.8		51	18†	- 10	15	53	5.21		1.12	37.0	22	6	10	15	sw.	E. T. Walker.	
Palisades.	Mesa.	4,729	1	42.0		65	18	24	21	34	1.77		0.74	2.5	5	10	13	5	sw.	Elmer Hiatt.	
Paonia.	Delta.	5,694	17	37.5	- 3.7	61	18	19	15†	34	6.40	+ 3.28	2.11	21.0	21	2	18	11	sw.	J. M. Underwood.	
Parshall.	Grand.		3																	F. A. Field.	
Pitkin.	Gunnison.	9,500	3																	Mrs. Maggie Cammann.	
Pyramid.	Rio Blanca.	1	27.4			55	10	- 3	21	46	1.48		0.80	24.0	6	12	11	8	w.	E. E. Egry.	
Rangely.	do.	5,050	13	35.1	- 0.6	58	19†	12	21	37	0.91		0.02	0.30	9.0	5	7	2	22	e.	J. H. McGuire.
Redcliff.	Eagle.	8,695	19																	Dorothea Greiner.	
Rico.	Dolores.	8,824	10																	Clinton B. Smith.	
Rifle.	Garfield.	5,437	3	38.4		62	19	16	1	34	2.77		0.92	32.0	24	9	13	10	w.	Herman Eiche.	
River Portal.	Montrose.	6,570	6	36.1		55	10†	11	25	39	3.35		0.75	21.0	14	5	10	16		U. S. Reclamation Service.	
Sapinero (near).	Gunnison.	8,125	9	28.8		47	10	5	24	37	3.99		0.65	39.2	24	9	13	10	w.	W. F. Irving.	
Shoshone.	Garfield.	6,110	2	37.8		54	27†	18	17	30	3.60		1.35	47.0	23	4	3	24		Central Colorado P. Co.	
Silverton (near).	San Juan.	9,400	5	23.5		45	24	- 12	15	50	6.83		1.10	81.0	19	4	13	14	sw.	San Juan W. & P. Co.	
Spruce Lodge.	Grand.	9,600	4																	H. J. Wills.	
Steamboat Springs.	Routt.	6,683	9	26.8		55	10	- 6	24	47	3.20		1.10	70.0	15	7	15	9	w.	M. Elliott Houston.	
Tacoma.	La Plata.	7,300	5																	San Juan W. & P. Co.	
Telluride.	San Miguel.	8,756	2	28.5		52	5	- 6	15	49	3.95		0.62	53.1	18	10	12	14		Wm. T. March.	
Terminal Dam.	La Plata.	8,300	5																	San Juan W. & P. Co.	
Uncompahgre Plateau.	Montrose.	8,400	2																	Martin Esser.	
Yampa (near).	Routt.	8,000	3																	Percy A. Hughes.	
<i>Utah.</i>																					
Aneth.	San Juan.	4,800	9	45.4		67	18	26	24	31	1.57		0.50	0.1	13	16	6	9	w.	H. R. Antes.	
Bluff.	do.	1	46.8			69															

TABLE 1.—Climatological data for March, 1912. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmeted).	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>Utah—Continued.</i>																			
Loa.	Wayne.	7,000	2	29.2	—	56	18	—	4	22	43	1.17	0.40	15.0	10	7	19	5	W. S. McClellan.
Manila.	Uinta.	6,225	2	47.0	+ 0.2	70	18	25	15	38	2.76	+ 1.84	0.63	4.0	18	3	9	19	Daniel M. Nelson.
Moab.	Grand.	4,000	23	32.0*	—	47*	19†	12*	6†	34*	6.45	—	1.20	42.5	12	2*	18*	6*	Henry Crouse.
Monticello.	San Juan.	7,545	3	32.0*	—	47*	19†	12*	6†	34*	8.16	—	2.05	—	9	1*	4*	25*	Geo. F. Barton.
New Harmony.	Washington.	—	1	—	—	—	—	—	—	—	5.04	—	1.42	—	18	—	—	—	Geo. F. Prince.
Ordererville.	Kane.	6,660	2	—	—	—	—	—	—	—	7.57	—	1.80	61.0	10	4	9	18	F. A. Porter.
Pine Valley.	Washington.	6,000	2	37.4	—	60	18†	15	4	35	2.58	—	2.27	—	11	12	5	14	Mason Gardner.
Price.	Carbon.	5,557	1	—	—	—	—	—	—	—	8.23	—	1.46	—	19	7	6	18	R. H. Thompson.
Ranch.	Kane.	6,700	10	29.0	—	52	25	—	4	14	44	—	—	—	—	—	—	J. W. Seaman.	
San Rafael.	Emery.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. C. Foy.	
St. George.	Washington.	2,880	22	48.6	— 0.8	72	5†	22	1	41	2.17	+ 1.42	0.86	11	4	10	17	A. B. Ballantyne.	
Scofield.	Carbon.	7,625	2	27.0	—	49	20	— 10	17	47	2.27	—	0.57	19.0	13	12	2	17	B. Newren.
Springdale.	Washington.	3,500	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Hattie Wood.	
Strawberry Tunnel (east).	Utah.	—	22.5	—	44	27	— 12	17†	46	3.16	—	—	0.44	34.2	15	5	9	17	U. S. Reclamation Service.
Sunnyside.	Carbon.	5,280	7	—	—	—	—	—	—	—	2.45	—	0.80	24.5	15	3	8	20	A. Rader.
Teasdale.	Wayne.	7,000	4	32.5	—	52	18†	9	23	33	2.97	—	1.00	29.5	11	4	6	21	Henry Cullum.
Thompsons.	Grand.	5,150	1	40.0	—	61	18	24	2†	35	2.38	—	0.52	2.5	13	8	16	7*	A. M. Starmont.
Tropic.	Garfield.	7,000	14	35.0*	— 2.9	57†	18	114	17	36†	1.67	+ 0.92	0.70	—	4	3	11	13d	E. P. Bolton.
Trout Creek Ranger.	Uinta.	9,200	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Forest Supervisor.	
Vernal.	do.	5,050	16	35.4	— 0.8	57	18†	9	21	36	2.24	+ 1.43	0.43	5.8	9	15	4	12	S. P. Trim.
White Rocks.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	C. F. Keil.	
Woodside.	Emery.	4,645	2	40.4	—	64	18	20	24	39	1.68	—	0.32	—	10	8	7	16	D. P. Adams.
<i>New Mexico.</i>																			
Alma.	Socorro.	5,500	15	46.2	— 1.0	72	19	11	3	60	3.76	+ 2.68	2.15	0	8	1	27	3	sw.
Argon.	do.	5,404	—	—	—	67	19	11	15	43	3.37	—	2.10	4.0	8	12	14	sw.	
Aztec.	San Juan.	5,590	12	—	—	—	—	—	—	—	1.12	+ 0.51	0.48	1.0	10	4	19	8	Dr. T. J. West.
Berger's Ranch.	McKinley.	8,000	—	33.6	—	55	19	2	15	49	3.80	—	0.62	24.2	19	3	9	19	Herman Berger.
Blackrock.	do.	6,500	3	36.7	—	66	5	19	14	35	0.99	—	0.53	—	11	2	15	14	D. Blackwater.
Bloomfield.	San Juan.	5,500	17	42.2	— 0.4	71	19	19	14	58	1.05	+ 0.29	0.35	T.	11	—	—	sw.	Fred Le Clerc.
Cambray.	Luna.	4,215	13	—	—	—	—	—	—	—	0.91	+ 0.47	0.56	0	4	6	15	10	Agent So. Pac. Ry.
Cliff.	Grant.	4,470	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. C. Belden.	
Columbus.	Luna.	4,054	3	—	—	—	—	—	—	—	0.65	—	0.63	0	2	11	5	15	Agent E. P. & S. W. R. R.
Deming.	do.	4,333	35	51.1	—	80	26†	26	2†	50	0.89	+ 0.30	0.89	0	2	27	0	4	w.
Fort Bayard.	Grant.	6,152	37	44.8	— 1.5	70	3	23	15	37	2.81	+ 2.06	2.00	3.6	8	21	7	3	U. S. General Hospital.
Fruitland.	San Juan.	4,800	18	43.3	— 0.7	67	18	19	15	39	1.07	+ 0.76	0.40	1.0	5	10	19	8	Cyril James Collyer.
Gage.	Luna.	4,486	12	48.2	—	75	3†	20	13	50	1.40	+ 0.68	1.40	0	2	18	13	0	Agent So. Pac. Ry.
Gila Planting Station.	Grant.	6,475	1	42.8	—	65	5†	19	11	33	2.83	—	2.11	1.0	7	13	10	8	U. S. Forest Service.
Hachita.	do.	4,504	3	—	—	—	—	—	—	—	1.50	—	0.86	2.0	3	23	5	3	Agent E. P. & S. W. R. R.
Haynes.	Rio Arriba.	6,600	1	37.4	—	73	24†	7	9	57	1.15	—	0.45	2.3	9	14	13	4	nw.
Hermances.	Luna.	4,451	3	—	—	—	—	—	—	—	0.07	—	0.04	0	2	17	3	11	Agent E. P. & S. W. R. R.
Lordsburg.	Grant.	4,245	29	51.5	— 1.7	78	18	28	15†	47	2.14	+ 1.59	0.37	0	4	12	10	9	Agent So. Pac. Ry.
Luna.	Socorro.	7,300	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Charles B. Martin.	
Mimbres.	Grant.	5,007	7	—	—	—	—	—	—	—	2.44	—	2.13	0	3	10	19	2	nw.
Pinos Altos (near).	do.	7,253	1	—	—	—	—	—	—	—	5.69	—	3.35	12.0	11	7	17	1	Do.
Pratt.	do.	4,415	3	—	—	—	—	—	—	—	1.00	—	0.34	0	5	8	12	1	Agent E. P. & S. W. R. R.
Redrock.	do.	4,150	7	—	—	—	—	—	—	—	2.40	—	1.34	0	7	10	15	6	Robert H. Woods.
Rodeo.	do.	4,118	3	—	—	—	—	—	—	—	1.79	—	1.27	0	4	12	17	2	Agent E. P. & S. W. R. R.
Silver City.	do.	5,800	1	43.9	—	69	19	25	12†	37	2.83	—	2.10	2.5	7	14	12	5	E. M. Brumback.
<i>Arizona.</i>																			
Allaire Ranch.	Cochise.	4,184	16	—	—	—	—	—	—	—	2.32	+ 1.58	1.84	0	6	12	4	15	sw.
Alpine.	Apache.	8,500	3	—	—	—	—	—	—	—	—	—	0.70	0	5	16	5	10	U. S. Forest Service.
Aztec.	Yuma.	492	13	65.0	+ 1.2	81	18	50	13†	28	1.19	+ 0.82	1.20	0	4	18	3	10	Agent So. Pac. Co.
Bisbee.	Cochise.	3,523	31	52.4	— 4.0	76	2	29	4	46	1.92	+ 1.72	1.20	0	2	14	3	14	Rev. J. G. Pritchard.
Bowie.	do.	5,500	29	49.3	— 3.0	71	19	29	14	33	2.32	+ 1.24	1.35	3.0	6	11	6	14	Agent So. Pac. Co.
Buckeye.	do.	3,756	36	54.3	— 0.6	69	4	31	12	45	2.53	+ 1.49	1.95	0	4	9	19	3	se.
Canille.	Maricopa.	980	20	58.1	— 1.8	83	4†	34	14	43	2.24	+ 1.57	1.22	0	7	19	10	10	H. E. Kell.
Casa Grande.	Santa Cruz.	5,225	3	60.5	— 1.7	87	17†	27	9	57	3.61	—	1.99	4.0	10	8	13	10	R. A. Rodgers.
Casa Grande Ruins.	Pinal.	1,422	4	58.4	—	82	5	36	3	43	2.54	—	0.72	0	10	11	4	16	Agent So. Pac. Co.
Capecreek.	Maricopa.	1,520	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F. P. Pintley.	
Chin Lee.	Apache.	6,090	4	41.6	— 3.1	65	18	20	15	39	0.94	+ 0.21	0.26	2.5	10	2	6	23	E. A. Howard.
Chlarsons Mill.	Graham.	8,000	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F. L. Ostermann, O. F. M.	
Clifton.	Greenlee.	3,584	21	56.4	—	79	5	36	15†	35	2.98	+ 2.07	1.92	0	9	21	5	5	H. R. Chlarsen.
Cline.	Gila.	2,300	12	—	—	78	5	—	—	—	4.93	+ 3.54	1.33	0	10	7	18	6	P. Reisinger.
Cochise.	Cochise.	4,219	12	45.6	— 8.4	75	1†	— 5	13	58	2.20	+ 1.46	1.20	0	2	14	2	sw.	
Columbia.	Yavapai.	1,900	13	53.6	— 5.4	76	19	35	14	34	6.03	+ 5.58	3.15	0	7	6	11	14	Agent So. Pac. Co.
Courtland.	Cochise.	4,543	4	—	—	74	19	20	14	44	3.52	—	2.45	1.5	5	4	17	7	M. J. Nolan.
Dos Cabezos.	do.	5,250	4	46.8	—	74	19	23	15	58	3.16	—	1.47	3.0	9	15	9	7	Agent E. P. & S. W. Co.
Douglas.	do.	3,930	9	54.4	—	84	3†	23	15	58	1.72	—	1.20	0	4	16	13	2	N. Erickson.
Dudleyville.	Pinal.	2,204	20																

TABLE 1.—Climatological data for March, 1912. District No. 9—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmetted).	Number of rainy days, 0.1 inch or more.	Number of partly cloudy days.	Number of overcast days.	Number of cloudy days.				
Arizona—Continued.																						
Lakeside.	Nazajo.	6,500	15	37.9	—	60	18	—	1	15	45	1.24	—	10.6	7	0	25	sw.	Prof. J. Peterson.			
Lewis Springs.	Cochise.	4,029	3	—	—	—	—	—	—	—	—	0.74	+ 0.54	0.60	0	4	12	3	16	Agent E. P. & S. W. Co.		
Maricopa.	Pinal.	1,186	35	57.0	— 4.9	81	6	35	13	42	1.00	—	0.54	1.05	0	3	24	2	5	Agent So. Pac. Co.		
McNeal.	Cochise.	4,490	2	—	—	—	—	—	—	—	—	2.37	—	1.65	0	7	12	2	17	C. E. Bolton.		
Mesa.	Maricopa.	1,244	17	55.9	— 4.1	50	5	34	13	36	3.55	—	2.80	0.95	0	11	5	22	4	sw.	C. L. Diehl.	
Mohawk Summit.	Yuma.	538	12	54.8	— 12.6	84	5†	30	20†	43	0.65	+ 0.39	0.65	0	1	26	1	4	e.	Agt. So. Pac. Co.		
Naco.	Cochise.	4,579	3	—	—	—	—	—	—	—	—	4.26	—	1.90	1.0	5	11	13	7	w.	Agt. E. P. & SW. Co.	
Natural Bridge.	Gila.	4,990	23	—	—	—	—	—	—	—	—	6.21	+ 4.00	1.37	1.0	16	3	18	10	sw.	D. G. Goodfellow.	
Oracle.	Pinal.	4,500	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	W. H. Winters.	Agt. E. P. & SW. Co.	
Osborn.	Cochise.	4,676	7	—	—	—	—	—	—	—	—	1.97	—	1.32	1.0	6	11	13	7	w.	J. C. Hancock.	
Paradise.	do.	5,436	7	40.8	—	73	3	20	12	46	2.55	—	2.01	0	5	4	17	10	sw.	M. A. Israel, M. D.		
Parker.	Yuma.	345	16	57.5	— 5.1	84	18	34	13†	43	0.77	+ 0.50	0.35	0	4	26	3	2	sw.	M. McDonald.		
Payson.	Gila.	5,550	3	43.8	—	69 ^a	5	20 ^a	2†	42 ^a	6.65	—	1.96	3.0	17	5 ^a	5 ^a	20 ^a	—	U. S. Weather Bureau.	G. Acuff.	
Phoenix.	Maricopa.	1,108	17	58.6	— 1.9	80	5	39	14	32	1.96	+ 1.47	0.98	0	10	13	10	8	e.	Horne & Armstrong.		
Phoenix (1).	do.	1,092	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Iron & Craig.		
Phoenix (2).	Pinal.	1,159	3	58.0	—	82	5	39	14†	39	2.53	—	0.84	0	8	7	19	5	sw.	Mrs. C. F. Henning.		
Pinal Ranch.	Pinal.	4,520	18	—	—	—	—	—	—	—	—	8.65	+ 6.26	4.30	15.5	11	—	—	—	J. W. Flinn, M. D.		
Pinto.	Apache.	5,660	8	—	—	—	—	—	—	—	—	1.60	—	0.45	5.0	9	11	10	10	W. E. Scott.		
Prescott.	Yavapai.	5,320	45	40.8	— 3.1	63	18	19	31	29	6.04	+ 4.33	2.17	—	14	12	10	9	sw.	W. J. Crowell.		
Quartzsite.	Yuma.	900	4	59.4	—	86	18†	36	31	38	0.83	—	0.40	0	3	17	10	4	sw.	U. S. Reclamation Service.		
Redrock.	Pinal.	1,864	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	A. Shreeve.	E. W. Hudson.		
Roosevelt.	Gila.	2,175	7	56.2	—	75	3†	39	31	30	5.06	—	2.15	0	7	2	17	12	e.	Rev. A. Weber, O. F. M.		
Sacaton.	Pinal.	1,280	4	59.1	—	84	5	35	14	42	2.61	—	0.73	0	7	—	—	—	—	Mrs. M. B. Swartz.		
St. Johns.	Apache.	5,650	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Miss M. A. Bingham.		
St. Michaels.	Yuma.	6,950	24	39.3	+ 0.5	59	18	7	15	36	1.77	+ 0.83	0.72	5.5	7	3	6	22	sw.	Agt. So. Pac. Co.		
Salome.	Gila.	1,875	5	50.8	—	74	3	30	14	36	1.50	—	0.79	0	6	17	6	8	sw.	F. H. Simmons.		
San Carlos.	Gila.	2,456	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Prof. J. H. Larson.		
San Simon.	Cochise.	3,609	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	F. N. Walcott.		
Seligman.	Yavapai.	5,219	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	G. A. Dennis.		
Sentinel.	Maricopa.	685	14	61.2	— 3.8	87	18	42	11†	34	1.86	+ 1.70	1.00	0	5	18	10	3	sw.	Imperial Copper Co.		
Silverbell.	Pima.	2,050	7	57.8	—	78	1†	35	21	35	2.65	—	0.70	0	7	18	3	10	s.	W. J. Flake.		
Snowflake.	Navajo.	5,644	5	42.5	—	67	19	13	1	49	1.53	—	0.80	1.0	5	3	12	16	sw.	U. S. Forest Service.		
Springerville.	Apache.	6,892	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	O. C. Upchurch.		
Supai.	Coconino.	3,200	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	J. M. Robe.		
Tempe.	Maricopa.	1,165	8	57.6	—	81	5	35	10†	38	2.39	—	0.78	0	9	13	12	6	nw.	J. M. Bauer.		
Thatcher.	Graham.	2,800	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	U. S. Coast & Geod. Sur.		
Tombetone.	Cochise.	4,550	13	52.0	— 2.4	78	25	27	13	37	1.83	+ 0.98	1.31	1.0	3	17	10	4	sw.	Agt. So. Pac. Co.		
Truxton.	Mohave.	3,997	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	H. P. Marble.		
Tuba.	Coconino.	4,500	16	44.0	— 2.9	67	18	22	1	38	1.43	+ 0.96	0.46	4.0	9	9	17	5	sw.	University of Arizona.		
Tucson.	Pima.	2,380	31	55.9	— 2.9	80	3	32	12	43	2.12	+ 1.46	0.61	0	10	4	12	15	—	J. M. Robe.		
Tucson (1).	do.	2,380	4	55.2	—	80	3†	30	14	45	3.00	—	0.77	0	9	12	14	5	s.	J. F. Bauer.		
Tucson (2).	do.	2,526	1	55.8	—	80	5	33	15	45	2.35	—	1.18	0	9	13	9	9	w.	U. S. Weather Bureau.		
Vail.	do.	3,421	13	52.0	— 9.8	82	19	25	9†	40	4.00	+ 2.57	2.50	0	2	23	1	7	—	E. L. Crane.		
Walnut Grove.	Yavapai.	3,649	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Salt Lake Route.		
Wickenburg.	Maricopa.	2,072	14	53.8	— 2.2	82	27	23	1	48	2.32	+ 1.66	1.30	0	3	13	14	4	w.	O. W. Jarvis.		
Willcox.	Cochise.	4,164	29	49.1	— 3.7	74	5	18	1	47	2.21	+ 1.42	1.50	0.2	3	5	0	26	s.	Agt. S. F. P. & P. R. R. Co.		
Williams.	Coconino.	6,750	10	35.8	— 4.5	55	4	5	18	48	6.30	—	1.30	29.0	11	5	18	8	sw.	Agt. So. Pac. Co.		
Winslow.	Navajo.	4,853	4	48.6	—	75	18	20	15	46	1.30	—	0.70	0	3	23	1	7	—	E. J. Nordyke.		
Yuma.	Yuma.	141	32	60.0	— 4.4	83	19	36	31	36	0.78	+ 0.43	0.70	0	4	25	5	1	w.	J. F. Bauer.		
Yuma (1).	do.	150	5	57.4	—	81	18†	31	31	41	0.64	—	0.50	0	3	15	12	4	s.	U. S. Weather Bureau.		
Caliente.	Lincoln.	4,407	2	40.4	—	63	18†	20	12	41	1.40	—	0.40	9.0	10	12	1	18	sw.	Salt Lake Route.		
Logan.	Clark.	1,700	5	54.1	—	75	5†	33	8†	39	1.88	—	1.19	0	10	18	9	4	s.	O. W. Jarvis.		

^a, ^b, ^c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for March, 1912. District No. 9, Colorado Valley.*

TABLE 2.—*Daily precipitation for March, 1912. District No. 9—Continued.*

Stations.	Watershed.	Day of month.																														Total.						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
<i>Utah—Continued.</i>																																						
Pine Valley.....	Colorado.....	T.		T.	1.45	.50					1.05		1.80																					7.57				
Price.....	Green.....	.10		T.							.65		T.	.72																				2.58				
Ranch.....	Colorado.....	.22	.30	.24	.42	.24	.44	.15			.32	.22	.14		1.46	.04		.08															8.23					
St. George.....	do.....	.07		.12							.86	.28			.04																		2.17					
San Rafael.....	Green.....																																					
Schofield.....	do.....	.04									.07	.08	.14		.27	.05	.16	.21		.06	.55											2.27						
Springdale.....	Colorado.....																																					
Sunnyside.....	Green.....	.05	.02	.03	.02	.05	.70	.08	.02		.02				.80		.10																2.45					
Strawberry Tunnel (East).....	do.....	.18		.14							.38	.31	.12		.07	.42	.29		.44	.02													3.16					
Teasdale.....	Colorado.....	T.		T.	.20		T.	T.		T.	1.00		T.	.05		T.																	2.97					
Thompson's.....	Green.....	T.	.34	T.	.25						T.	.52	T.	.22	.08		T.																2.38					
Tropic.....	Colorado.....			T.							.17	T.				.70		T.	T.															1.67				
Trottcreek Ranger.....	Green.....																																					
Vernal.....	do.....	T.	.02								.37	.09			.28	.43	.14	.36															2.24					
White Rocks.....	do.....	.04		T.							.20	.10	.10		.02	.17	.11	T.	.20														1.21					
Woodside.....	do.....																																		1.68			
<i>New Mexico.</i>																																						
Alma.....	Gila.....										.08	T.																								3.76		
Aragon.....	do.....										T.																									3.37		
Aztec.....	San Juan.....	.04	.08		.15						.09		.09	.48																				1.12				
Bergers Ranch.....	L. Colorado.....	.29		.09	.02	.33					.06	.27	.21		.35	.15																	3.80					
Black Rock.....	do.....			.05	.04						.12	.02			.53																		0.99					
Bloomfield.....	San Juan.....	.07																																	1.05			
Cambray.....	Mimbres.....																																		0.91			
Cliff.....	Gila.....																																		0.65			
Columbus.....	Mimbres.....																																		0.89			
Deming.....	Mimbres.....																																					
Dulce.....	San Juan.....																																				1.50	
Port Bayard.....	Mimbres.....																																				2.81	
Fruitland.....	San Juan.....	T.	T.		.12						.40																								1.07			
Gage.....	do.....																																				1.40	
Gila Planting Station.....	Gila.....																																				2.83	
Hachita.....	Gila.....																																				1.50	
Haynes.....	San Juan.....	T.	.15	T.	T.						.12	T.			.02	.07	.04	.07																	1.15			
Hermanes.....	Gila.....																																				0.07	
Lordsburg.....	do.....																																				2.14	
Luna.....	Mimbres.....																																				2.44	
Mimbres.....	Gila.....																																				5.69	
Pinos Altos (near).....	do.....	.02		.02							* 3.35	.75			*	.68																			1.00			
Pratt.....	do.....	.14		.18							.07																									2.40		
Redrock.....	do.....			.04																																1.79		
Rodeo.....	do.....																																				2.83	
Silver City.....	Mimbres.....																																					
<i>Arizona.</i>																																						
Allaires Ranch.....	Sonora.....	.03	T.	T.																																	2.32	
Alpine.....	Gila.....																																				1.19	
Aztec.....	do.....	.11																																				
Benson.....	San Pedro.....																																				1.92	
Bisbee.....	do.....																																				2.32	
Bowie.....	Gila.....																																				2.53	
Buckeye.....	do.....	.05		.03																																2.24		
Canille.....	San Pedro.....			.05	T.																															3.01		
Casa Grande.....	Gila.....																																				2.00	
Casa Grande Ruins.....	do.....	.25	T.	T.	T.																															2.54		
Cavecreek.....	Verde.....																																					
Chin Lee.....	San Juan.....			.23																																	0.94	
Clifton.....	Gila.....					</																																

TABLE 2.—*Daily precipitation for March, 1912. District No. 9—Continued.*

Stations.	Watershed.	Day of month.																													Total.								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
Arizona—Contd.																																							
Paradise.....	Desert.....			.10	.09					2.01		.35		.05	T.																		2.55						
Parker.....	Colorado.....			.27						.35		.81	1.96	.08		.42	.18																0.77						
Payson.....	Verde.....	.20		.45		.10	.17			.98	.01			.24																		6.65							
Phoenix.....	Salt.....			.03	.04		T.																										1.06						
Phoenix (1).....																																							
Phoenix (2).....	do.....			.05	.05					.94				.32																			2.53						
Pinon Ranch.....	Gila.....	T.			.55					.11		.37	4.30	.88		.28	.62																8.65						
Plinto.....	L. Colorado.....	T.		.01	T.	.01	.07			.19	.24			.45																			1.60						
Prescott.....	Hassayampa.....	T.	T.	1.23		.19	.03			.82	2.17	.03		.33	.03																	0.83							
Quartzsite.....	Colorado.....											.40	.10																										
Redrock.....	Santa Cruz.....									1.30																													
Roosevelt.....	Salt.....			.37						.25		.21			.45																			5.06					
Sacaton.....	Gila.....			.22		T.				.73	.29			.12																				2.61					
St. Johns.....	L. Colorado.....																																						
St. Michaels.....	do.....	T.			.35					.05		.72	.05			.25																		1.77					
Salome.....	Colorado.....																																			1.50			
San Carlos.....	Gila.....																																			0.60			
San Simon.....	do.....																																						
Seligman.....	Verde.....																																				1.88		
Sentinel.....	Gila.....			.01						1.00						.20																			2.65				
Silverbell.....	Santa Cruz.....			.20		T.				.70	.68			.40																				1.53					
Snowflake.....	L. Colorado.....										.80	T.	.12																						0.50				
Springerville.....	do.....										.35		T.		T.																					2.27			
Tupai.....	Colorado.....			.42			.38			.60	.03			.19																				2.39					
Tempe.....	Salt.....	T.		.09						.78	.27	.01		.19																					1.50				
Thatcherville.....	Gila.....																																						
Tombstone.....	San Pedro.....									1.31				.30																						1.83			
Truxton.....	Colorado.....																																					1.53	
Tuba.....	L. Colorado.....	T.		.46		T.				.18	.15			.08	.05																				2.32				
Tucson.....	Santa Cruz.....			.21	T.					.61	.32			.28																						2.12			
Tucson (1).....	do.....			.22						.77	.46			.23																						3.00			
Tucson (2).....	do.....			.22	T.					.66	.52			.55	.22																				3.35				
Vall.....	do.....									2.50																											4.00		
Walnut Grove.....	Hassayampa.....			.90	.10						.24			.36																						5.01			
Wickenburg.....	do.....			.02							1.30																										2.32		
Willcox.....	Desert.....																																						2.21
Williams.....	Colorado.....	T.		.20		.70		.40				.20	1.00	.40		.80																	6.30						
Winslow.....	L. Colorado.....											T.	.10																									1.30	
Yuma.....	Colorado.....			.03								.70																										0.78	
Yuma (1).....	do.....			.05								.50																										0.64	
<i>Nevada.</i>																																							
Caliente.....	Colorado.....																																						1.40
Logan.....	do.....																																						1.88

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

‡ Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures for March, 1912. District No. 9, Colorado Valley.

Date.	Wyoming.				Colorado								Utah.								New Mexico.							
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Springs.		Emery.		Fort Duchesne.		Hite.		Moab.		St. George.		Bloomfield.		Fort Bayard.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	28	0	36	0	39	31	47	28	37	9	49	33	40	- 4	55	15	46	13	56	34	53	31	62	22	52	33	61	32
2....	33	12	39	- 1	44	32	49	32	40	22	50	2	44	28	52	11	50	17	59	35	58	36	62	31	56	31	56	31
3....	21	- 6	49	10	49	31	50	33	36	23	37	12	34	15	56	17	43	21	62	43	59	39	65	34	70	33	70	33
4....	25	- 22	32	6	41	32	48	36	38	26	32	12	34	- 1	51	18	.....	.....	53	41	47	38	62	46	.....	.....	63	32
5....	36	10	34	12	53	32	55	35	41	20	51	10	45	- 1	58	19	.....	.....	65	39	67	35	72	41	.....	.....	66	35
6....	38	0	44	20	51	34	53	38	46	25	48	26	46	17	56	18	51	21	66	40	65	42	67	46	.....	.....	64	42
7....	40	16	48	21	48	33	53	36	43	26	47	29	47	25	55	15	54	19	65	45	65	33	66	34	57	39	57	39
8....	27	- 17	43	5	48	31	53	36	37	20	35	20	35	17	51	26	42	17	61	45	60	33	64	34	65	33	55	33
9....	35	- 10	34	7	43	32	55	37	40	15	46	25	44	17	43	28	47	21	53	41	57	43	56	37	52	37	52	37
10....	34	0	46	23	44	33	59	40	50	23	52	32	55	28	41	30	43	19	57	41	58	39	52	43	55	32	50	31
11....	32	20	44	12	40	26	44	32	35	24	37	24	34	21	46	31	45	20	59	40	55	37	58	32	47	32	46	31
12....	29	- 4	43	9	40	16	48	31	37	20	41	13	52	5	45	32	41	10	54	33	50	28	53	33	48	22	53	27
13....	34	4	44	13	34	23	47	32	34	10	42	28	50	22	41	28	43	23	53	38	51	36	60	30	42	21	52	31
14....	30	0	35	12	42	13	40	25	30	3	30	- 9	32	7	44	20	38	7	59	35	52	34	63	28	46	19	43	26
15....	34	4	33	7	45	12	53	28	28	1	42	12	45	2	45	21	45	6	59	31	60	25	61	37	57	20	54	23
16....	32	7	42	22	42	25	48	32	38	5	40	29	38	11	50	17	47	18	58	42	59	40	65	29	57	33	57	29
17....	31	- 2	35	9	45	18	56	29	40	5	44	6	46	6	51	18	52	5	61	31	61	36	72	31	.....	.....	60	32
18....	38	12	35	13	56	24	65	28	48	20	52	25	50	12	52	21	60	3	69	40	70	32	64	41	.....	.....	64	32
19....	32	20	52	22	47	38	62	38	49	24	54	37	53	27	50	21	59	4	65	43	61	46	65	37	71	23	66	47
20....	21	3	49	6	46	34	48	30	46	29	42	12	40	5	47	20	49	14	59	44	60	33	68	36	61	43	.....	.....
21....	20	- 24	31	- 2	49	31	41	25	43	26	25	7	26	- 4	48	25	49	3	55	33	60	28	50	35	58	30	60	32
22....	31	- 20	30	- 5	44	29	48	30	40	28	35	4	32	- 3	45	21	46	3	45	32	48	32	57	32	59	32	57	28
23....	28	12	35	0	44	23	47	28	41	15	38	8	36	1	48	22	46	9	54	32	52	29	65	29	54	31	49	29
24....	23	- 17	48	7	50	20	53	25	41	11	44	10	40	- 6	47	20	53	4	62	31	57	27	68	31	58	21	56	27
25....	36	- 6	44	5	53	24	59	32	42	9	57	18	43	- 4	50	20	60	3	65	34	64	28	71	33	60	21	64	33
26....	38	- 4	51	19	47	31	48	37	40	20	46	25	43	10	47	32	54	16	61	45	63	35	63	37	58	34	61	36
27....	34	- 3	50	25	49	26	54	33	44	23	47	31	46	25	48	31	48	22	62	38	65	32	60	25	57	31	56	31
28....	42	- 5	54	18	54	25	56	31	46	17	47	21	45	21	45	33	57	23	66	40	63	32	62	23	51	32	51	32
29....	38	0	50	23	48	23	59	35	40	24	54	22	49	10	48	30	58	25	57	38	67	31	69	43	60	25	54	29
30....	38	25	54	25	50	32	57	37	52	25	58	27	50	13	47	23	57	35	60	36	68	42	55	35	62	31	61	30
31....	40	0	45	19	37	26	45	36	41	26	45	29	39	26	51	21	43	31	56	36	60	34	58	32	49	25	57	31
Mns....	32.5	0.2	42.2	11.7	45.9	27.1	51.6	32.4	40.7	18.5	44.1	19.3	42.4	11.3	48.8	22.7	49.3 ^b	14.9 ^b	59.6	37.9	59.1	34.9	62.6	34.5	57.0 ^c	27.4 ^c	57.3	32.4

Date.	Arizona.												Logan, Nev.													
	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		Tucson.		Yuma.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	63	44	46	25	62	32	48	25	72	38	72	54	54	40	54	38	75	49	75	46	67	41	.....	.....
2....	64	45	44	29	65	37	49	26	76	40	70	48	62	34	50	36	70	42	76	42	69	34	.....	.....
3....	69	52	52	26	62	22	48	25	75	35	75	43	60	24	58	28	80	38	69	42	68	44	.....	.....
4....	65	56	42	32	65	30	50	25	72	40	75	55	53	39	50	38	76	52	79	51	70	52	.....	.....
5....	67	44	52	33	62	22	52	26	74	35	80	51	60	31	56	38	79	45	78	50	75	53	.....	.....
6....	65	51	46	33	55	40	50	28	75	38	75	56	56	39	55	33	77	51	82	50	74	56	.....	.....
7....	58	46	46	30	57	38	52	26	79	36	70	55	60	31	51	34	65	51	71	53	69	49	37	
8....	57	41	44	25	48	30	49	29	74	40	70	44	52	26	49	25	67	42	72	44	66	44	33	
9....	57	46	40	29	48	37	50	25	70	40	70	49	49	35	47	35	57	52	62	53	62	47	44	33	
10....	52	42	39	30	50	40	48	25	69	38	65	51	46	33	47	35	62	54	67	48	61	46	46	46	46	46
11....	51	34	43	18	58	32	36	25	71	36	63	41	43	25	40	28	60	40	67	40	62	34
12....</td																										